CLAIMS

We claim:

1. A lamp, comprising:

a) a hollow light transmitting body including a light source, said body terminating in a neck, said neck being substantially circular in cross-section and having a longitudinal axis and a circumference, said neck including a keyway formed in said neck parallel to said axis and external threads about said circumference, said light transmitting body comprising first and second leads extending from the neck of said body;

b) a lamp base locking ring disposed around said circumference of said neck, said locking ring including an indentation extending inward from an outer diameter of said locking ring that fits into said keyway for inhibiting rotative movement of said locking ring about said neck; and

c) a lamp base shell having internal threads in communication with said external threads of said neck, said lamp base shell mechanically fastened to said lamp base locking ring to inhibit movement of said lamp base shell with respect to said neck, said lamp base shell having first and second electrically conductive portions, said first lead being electrically connected to said first electrically conductive portion of said shell, said second lead being electrically connected to said second electrically conductive portion of said shell.

2. The lamp of claim 1 further comprising a projection extending from said locking ring for mechanically fastening said locking ring to said lamp base shell.

3. The lamp of claim 1 wherein said lamp base shell is electrically connected to said lamp base locking ring.

4. The lamp of claim 1 wherein said lamp base shell is welded to said lamp base locking ring.

5. The lamp of claim 2 wherein said projection is resistance welded to said lamp

base shell.

6. The lamp of claim 1 wherein said lamp base shell is spot-welded to said lamp base locking ring.

7. The lamp of claim 1 wherein said lamp base shell is plasma welded to said lamp base locking ring.

8. The lamp of claim 1 wherein said lamp base shell is brazed to said lamp base locking ring.

9. The lamp of claim 1 wherein said lamp base shell is soldered to said lamp base locking ring.

10. A lamp base shell apparatus for a lamp having first and second leads and a neck having threads and a keyway, comprising:

a) a lamp base shell including internal threads for engagement of said threads of said neck, said lamp base shell having first and second electrically conductive portions for connection of said first and second leads; and

b) a locking ring rotatively connected to said lamp base shell, said locking ring being sized to fit around said neck, said locking ring including an indentation extending inward from an outer diameter of said locking ring adapted to fit in said keyway to inhibit rotative movement of said locking ring about said neck.

11. The apparatus of claim 10 further comprising a projection extending from said locking ring for mechanically fastening said locking ring to said lamp base shell.

12. A method of securing a lamp base shell to a lamp comprising:

a) inserting a neck of said lamp having threads and a keyway into a locking ring having an indentation that corresponds with said keyway;

b) threading internal threads of said lamp base shell onto said threads of said neck; and

c) mechanically fastening said locking ring to said lamp base shell to inhibit movement of said lamp base shell with respect to said neck.

13. The method of claim 12 further comprising electrically connecting first and second leads of said lamp to first and second electrically conductive portions of said lamp base shell.

14. The method of claim 12 further comprising bending a projection of said locking ring over an open end of said lamp base shell and connecting said projection to said lamp base shell.

15. The method of claim 12 wherein said locking ring is spot-welded to said lamp base shell.

16. The method of claim 12 wherein said locking ring is resistance welded to said lamp base shell.

17. The method of claim 12 wherein said locking ring and said lamp base shell are assembled prior to assembly to said lamp.

18. The method of claim 12 wherein the assembly of said locking ring to said lamp base shell prior to assembly to the lamp allows rotation of said locking ring with respect to said lamp base shell.